

Final

FOCUS REPORT
New Chemicals Program

PART I: BACKGROUND

Written By: BEF

FOCUS DATE: 9/15/2008

FOCUS CHAIR: M.WigLewis

COMPANY:

CASE NUMBER(S): P08-0691

through

and

PART II: SAT RESULTS

HEALTH: 1-2

ECOTOX: 1

OCCUPATIONAL
EXPOSURE: 1D

CONSUMER
EXPOSURE: 2

ENVIRONMENTAL
RELEASES: 2

Additional SAT
Information:

PART III: OTHER FACTORS

a. PRODUCTION VOLUME: kg/yr

b. PROD VOL OTHER:

c. USE:

d. REGULATORY HISTORY: NRC

e. TEST DATA:

f. IMPORTED ☐ MANUFACTURED ☐ BOTH ☐

g. MSDS: ☒

h. CATEGORY: Polynonionic Polymers CATEGORY 2:

PART IV: SUMMARY OF SAT ASSESSMENT

CASE NUMBER: P08-0691

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

TYPE OF CONCERN: ☐☐☐☐HEALTH ☐☐ECOTOX

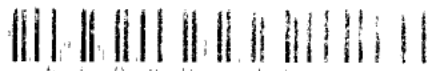
LEVEL OF CONCERN: ☐☐☐☐ 1-2 ☐ 1

KEYWORDS:

IRR-S,E,MM
LUNG

SUMMARY OF ASSESSMENT

EATE:



POTW removal (%) = 90 via sorption
Time for complete ultimate aerobic biodeg > mo

Sorption to soils/sediments = v.strong
PBT Potential: P3B1T1
*CEB FATE: Migration to ground water = negl

HEALTH: Absorption is nil all routes based on physical/chemical properties. Concern for irritation to the eyes, skin, and mucous membranes, based on pH [REDACTED]. Concern for lung overload if inhaled, based on [REDACTED].

*CEB HEALTH: Low-moderate concern (Inhalation, dermal, ingestion).
XB Health: Testing desired (Inhalation)

ECOTOX: Predicted (P) and measured (M) toxicity values in mg/L (ppm) are:

fish 96-h LC50 = * P
daphnid 48-h LC50 = * P
green algal 96-h EC50 = * P
fish chronic value = * P
daphnid ChV = * P
algal ChV = * P

Predictions are based on SARs for polyanionic polymers; SAR chemical class = polymer-nonionic-
[REDACTED] pH7; effective concentrations based on
100% active ingredients and nominal concentrations; hardness <150.0 mg/L as CaCO₃; and TOC
<2.0 mg/L;
low concern for toxicity;
assessment factor = 10.0
concern concentration = *

*CEB ECOTOX: No releases to water.
XB ECOTOX: No testing desired

PART V: RAD RISK RATIONALE: HUMAN HEALTH

PART VI: SUMMARY OF EXPOSURE/RELEASE

Use: [REDACTED]

Releases to Water: [REDACTED]
OR Incineration OR Landfill
Releases via Incineration: [REDACTED]
OR Landfill

Fate: Releases to Water (90% Removal Efficiency)
SWC: 132.08 ppb
DW: LADD: 2.69E-7 mg/kg/d, ADR: 6.03E-7 mg/kg/d

PART VII: FOCUS DECISION AND RATIONALE

DISPOSITION: Drop

RATIONALE: P08-0691 was dropped based from further review. Potential health risks from dermal contact were mitigated by protective gear and inhalation was negligible. The following CEB criteria were met: [REDACTED]
[REDACTED] No EAB criteria were met. No exposure based testing was required. Concerns for potential risks to the environment were low based on no effects expected at saturation.

PART VIII: CCD DISPOSITION / DD

CCD:

STRUCTURE ACTIVITY TEAM REPORT ver. 04/98

Case #: P-08-0691

DCN:

RECEIVED
9/11/08

SAT Date: 9/9/2008

SAT Chair:

J. Kwiat

2008 SEP 22 AM 9:38

Submitter:

Chemical Name:

CAS RN:

Trade Name:

Structure

Molecular Formula:

Molecular Wt.

WT%<500:

WT%<1000:

MP:

BP:

Eq. Wt:

H2O Sol (g/L):

V.P.

Max. Prod. Volume (kg/yr):

Physical State:

USE:

Related Case Numbers

Case Role

Related Case Numbers

Case Role

Focus

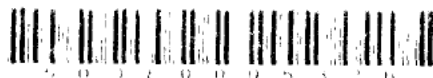
Date:

9/15/08

Results:

Drop

Page of



STRUCTURE ACTIVITY TEAM REPORT

CASE NUMBER: P08-0691

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CONCLUSIONS/DISCUSSIONS

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*CEB ECOTOX: No releases to water.

XB ECOTOX: No testing desired

Jim Kwiat, 564-7653

NCSAB SAT REPORT

PMN:

P-08-0691

CAS RN:

Chemical Name:

Analog:

Production Volume:

Structure:

Use:

Formula:

Eq Wt:

Mol Weight:

Wt%<500:

Wt%<1000

MP:

BP:

>320 (dec.)

VP:

<0.000001

H2O Sol (g/L):

Physical State:

Log P:

Endpoint (mg/L)	Est. Value	Meas. Value	Comments
Fish 96-h	*		
Daphnid 48-h	*		
Algal 96-h	*		
Fish ChV	*		
Daphnid ChV	*		
Algal ChV	*		
BCF			

CHEMICAL CLASS:

SAR: polymer - non -

ECOTOX CONCERN

H

M

L

CONCERN CONCENTRATION

DATE

9/9/08

ASSESSOR:

OPPT STRUCTURE ACTIVITY TEAM (SAT) MEETING

DATE 9/9/08

ATTENDEES	SIGNATURE
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CHEMISTRY

<input type="checkbox"/> Paul Bickart	
<input type="checkbox"/> Diana Darling	
<input checked="" type="checkbox"/> Rich Engler	<u>Rich Engler</u>
<input type="checkbox"/> Greg Fritz	
<input type="checkbox"/> Daniel Lin	
<input checked="" type="checkbox"/> Kathy Schechter	<u>Kathy Schechter</u>
<input checked="" type="checkbox"/> Rebecca Edelstein	<u>Rebecca Edelstein</u>

ENVIRONMENTAL FATE

<input type="checkbox"/> Bob Boethling	
<input type="checkbox"/> Wen-Hsiung Lee	
<input type="checkbox"/> Laurence Libelo	
<input type="checkbox"/> David Lynch	
<input type="checkbox"/> Andy Mamantov	

HEALTH

<input checked="" type="checkbox"/> Katherine Anitole	
<input checked="" type="checkbox"/> Michael Cimino	<u>Michael Cimino</u>
<input checked="" type="checkbox"/> Steve Cragg	<u>Steve Cragg</u>
<input checked="" type="checkbox"/> Leonard Keifer	<u>Leonard Keifer</u>
<input type="checkbox"/> David Lai	
<input checked="" type="checkbox"/> Jim Murphy	<u>Jim Murphy</u>
<input type="checkbox"/> Deborah Norris	
<input checked="" type="checkbox"/> Ronald Ward	<u>Ronald Ward</u>
<input checked="" type="checkbox"/> Yin Tak Woo	<u>Yin Tak Woo</u>

ENVIRONMENTAL EFFECTS

<input type="checkbox"/> Gordon Cash	
<input type="checkbox"/> Maggie Wilson	

SAT CHAIR/OTHER

<input type="checkbox"/> Rebecca Jones	
<input type="checkbox"/> Leonard Keifer	
<input checked="" type="checkbox"/> Jim Kwiat	<u>Jim Kwiat</u>